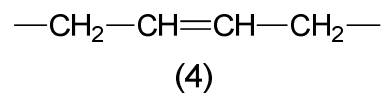
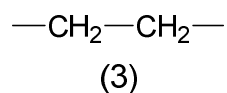
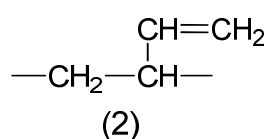
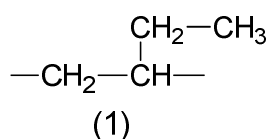


Abstract

A conjugated diene-based polymer has a value α defined by mathematical expression (i) of 0.65 to 0.97. p , q , r , and s represent compositional ratios (mole ratios) of the structural units represented by formulas (1) to (4) respectively in the polymer. The conjugated diene-based polymer includes, in an amount of 25 to 75 mass%, polymer (A1) which has a multi-branched structure having 4 or more molecular chains. The polymer (A1) has a functional group containing at least one element selected from the group consisting of nitrogen, oxygen, and sulfur at one or both of a terminal and a branching point of the polymer (A1).

$$\alpha = (p + (0.5 \times r)) / (p + q + (0.5 \times r) + s) \quad \dots \quad (i)$$



[No figure]